CLAIMS

1. A method for displaying time-dependent processes, especially for displaying the change of a used toothbrush, comprising a storage chamber (6) containing a liquid (5) which is brought into communication with a porous indicator strip (7) and a dye to start the time recording, wherein the dye colors the indicator strip (7) time-dependently over its length,
characterized in
that the material of the indicator strip (7), the liquid (5) and the dye (8) are matched to one another so that dye molecules (18) adhere to the indicator strip (7), the dye molecules bound to the indicator strip migrate more slowly than the dye molecules located freely in the solvent and after the indicator strip has been partly covered with dye molecules, some of the dye molecules migrate further in the liquid (5) so that the adhesion process proceeds time-dependently.

2. The method according to claim 1,
characterized in
that the dye is dissolved in the liquid in the storage chamber.

3. The method according to claim 1,
characterized in
that the dye (8) is applied to a partial area of the indicator strip and after application of the liquid to the indicator strip, is taken up by the liquid.

4. The method according to claim 3,
characterized in

that the liquid (5) comprises water, the dye comprises Erythrosin B or Coomassie Brilliant Blue and the indicator strip is formed of cellulose paper.

5. The method according to claim 3 or claim 4, characterized in that at the beginning of the time measurement the liquid is applied to the position of the indicator strip more remote from the partial area provided with dye, especially is applied to the indicator strip at the opposite end of the indicator strip.

6. The method according to claim 1, characterized in that the indicator strip (7) is enclosed in a protective cladding (2) which is completely or largely impermeable to the liquid (5).

7. The method according to claim 6, characterized in that the liquid (5) for its part is arranged in a capsule (6) which is completely or largely impermeable to the liquid (5), which is likewise accommodated in a sealed fashion in the protective cladding (2) of the indicator strip or is connected thereto in a sealed manner when the capsule bursts.

8. The method according to claim 7, characterized in that the liquid (5) is delivered to the indicator strip (7) by bursting the capsule (6).

9. The method according to claim 8, characterized in that the capsule is burst using a mechanical pressure device, especially a pressure pin.

10. The method according to claim 9,
characterized in
that the mechanical pressure device is pressed from the back of the indicator strip.

11. A toothbrush comprising a display device (1) for the time-dependent display of the replacement of a used toothbrush,
characterized in
that the display device is constructed on a handle area or on a bristle receptacle or between handle area and bristle receptacle, that the display device (1) is enclosed in a watertight fashion by an at least partly transparent protective cladding (2) and that a storage chamber (6) containing a liquid (5), a porous indicator strip (7) and a dye (8) are provided in the protective cladding (2), wherein the indicator strip (7) can be colored by the dye (8) over its longitudinal extension.

12. The toothbrush according to claim 11,
characterized in
that when starting the time recording, the dye (8) is dissolved in the liquid (5) of the storage chamber (6).

13. The toothbrush according to claim 11,
characterized in
that when starting the time recording, the dye (8) is provided on a section of the indicator strip (7).

14. The toothbrush according to claim 13,
characterized in
that the liquid (5) is brought into communication with the dye (8) over the indicator strip (7).

15. The toothbrush according to any one of claims 11 to 14,
characterized in
that the liquid (5) consists of water, the dye consists of Erythrosin B or Coomassie Brilliant Blue and the indicator strip is formed from cellulose filter paper.

16. The toothbrush according to claim 13,
characterized in
that the partial area of the indicator strip provided with dye is arranged opposite to the storage chamber at the other end of the indicator strip.

17. The toothbrush according to any one of claims 11 to 16,
characterized in
that the liquid (5) for its part is arranged in a capsule (6) which is completely or largely impermeable to this liquid which is also provided in a sealed manner in the protective cladding (2) of the indicator strip.

18. The toothbrush according to claim 17,
characterized in
that the liquid (5) is delivered to the indicator strip (7) by bursting the capsule (6) and especially is connected to the protective cladding (2) in a sealed fashion on bursting the capsule.

19. The toothbrush according to claim 18,
characterized in
that a mechanical pressure device, especially a pressure pin, is provided for bursting the capsule.

20. The toothbrush according to claim 19,
characterized in

that the mechanical pressure device is arranged on the side of the indicator strip facing away from the display.